

SECTION 1 - MANUFACTURER INFORMATION

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PREPARATION DATE: 2/8/91

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REVISION DATE:

PRODUCT NAME: Phase V™

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS)	
HEALTH..... 1	FLAMMABILITY... 0
REACTIVITY.... 1	PROTECTION..... B

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

<u>CHEMICAL/COMMON NAME</u>	<u>CAS-NUMBER</u>	<u>%</u>	<u>PEL-OSHA</u>	<u>TLV-ACGIH</u>
Isopropyl Alcohol	67-63-0		400 ppm	400 ppm
Citric Acid	77-92-9		Not Established	Not established

SECTION 3 - PHYSICAL & CHEMICAL DATA

BOILING POINT: 212(°F.) **SPECIFIC GRAVITY:**(H₂O=1) 1.0-1.1
VAPOR PRESSURE (mmHg): Over 1 **VAPOR DENSITY(Air=1):** N/A
SOLUBILITY IN WATER: Complete
APPEARANCE & ODOR: Clear, colorless liquid with slight alcohol odor
pH: 1.2-1.8

SECTION 4 - FIRE & EXPLOSION DATA

FLASH POINT: None **Method Used:**T.C.C. **FLAMMABLE LIMITS:** LEL=N/A UEL=N/A
AUTO-IGNITION TEMP: °F.
EXTINGUISHER MEDIA: Carbon dioxide, water, foam, or dry chemicals
SPECIAL FIREFIGHTING PROCEDURES: Class A, BC, or ABC extinguishers
UNUSUAL FIRE & EXPLOSION HAZARDS: Pressure may develop in closed containers

SECTION 5 - PHYSICAL HAZARD DATA

STABILITY: Stable **CONDITIONS TO AVOID:** Keep from freezing.
INCOMPATIBILITY: None
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and carbon dioxide.
WILL HAZARDOUS POLYMERIZATION OCCUR?: No

PRODUCT: Phase V

SECTION 6 - HEALTH HAZARD DATA

ACUTE: May be fatal if swallowed.

CHRONIC: May be irritating to skin on extended exposure. Highly irritating to the eyes.

SIGNS & SYMPTOMS OF EXPOSURE: Skin rash or dermatitis.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Unknown

LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN (NTP, IARC, or OSHA)?: No

EMERGENCY & FIRST AID PROCEDURES:

EYES: Flush with water for at least 15 minutes. Get prompt medical attention.

SKIN: Wash with soap and water. Remove contaminated clothing.

INGESTION: Give immediate medical attention.

INHALATION: If vapors cause discomfort, remove to fresh air area Get medical attention if any discomfort continues.

ROUTES OF ENTRY:

1. Inhalation: May be harmful if inhaled.
2. Eyes: Highly irritating to the eyes.
3. Skin: Causes skin irritation.
4. Ingestion: May be harmful if swallowed.

SECTION 7 - SPECIAL PRECAUTIONS & SPILL/LEAK PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store material in cool dry place. Do not store in extremely hot area.

OTHER PRECAUTIONS: Store with lids on containers. Keep from freezing.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Dilute with water and flush away to drain. Product is completely biodegradable.

WASTE DISPOSAL METHODS: Consult federal, state, and local regulations. Dilute with water and flush to drain.

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

RESPIRATORY PROTECTION: None required.

VENTILATION:

LOCAL EXHAUST: Preferable MECHANICAL: SPECIAL: OTHER:

PROTECTIVE GLOVES: Neoprene if putting hands in the concentrate or continually in the solution.

EYE PROTECTION: Chemical safety glasses when handling the concentrate.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None generally required

WORK/HYGIENIC PRACTICES: Always wash hands when using this or any chemical products.

ADDITIONAL COMMENTS:

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